

IMPORTANT FACTS ABOUT SEAL MATERIALS

"ELASTOMERS"

POLYURETHANE

Thermoplastic Elastomers features high resistance to abrasion, low compression, set, high rigidity and high tear strength. While its main application is seal technology (lip seals, u-ring seals, wipers, vee packing, special seals), it may also be used for dampers and machined parts. Parts machined from this material can be used on commercially available hydraulic fluids and in water. Durometer 95 Shore A, Temperature range -30 to 110 C



MSO SPECIAL POLYURETHANE

Important technical plastic compound with very good mechanical properties, low water absorption and good chemical resistance. Durometer 70 Shore D, Temperature range -50 to 100 C

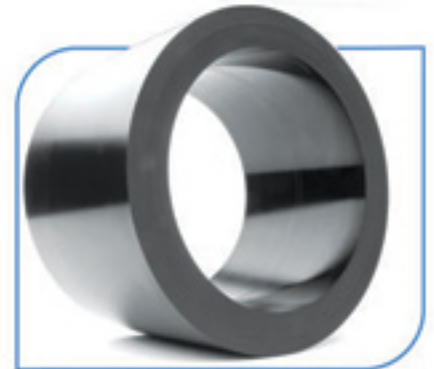


NBR

An Elastomers based on acrylonitrile butadiene rubber which is used for u-cup seals. Lip seal, vee packing, special sea's and various components. This material stands out with its high resistance to mineral oils and greases or HFA, HFB and HFC pressure fluids. Furthermore, NBR has excellent mechanical properties such as abrasion resistance and elasticity. Durometer 85 +/- 5 Shore A, Temperature range -30 to 100 C

SILICONE RUBBER

An Elastomers based on vinyl polysilozane rubber for o-rings, gaskets and special seals. Its main application is for static seals. Silicon is highly resistant to hot air, weathering, ozone and aging. The mechanical properties are notably lower than those of the other rubber materials. Durometer 85 +/- 5 Shore A, Temperature range -60 to 200 C



EPDM RUBBER

An Elastomers based on ethylene propylene rubber which is used for u-cup seals, lip seals, vee packing and special seals exposed to hot water, steam and Alkalis. It is not resistant to mineral oil based hydraulic fluids. It is also compatible with brake fluid. Durometer 87 +/- 5 Shore A, Temperature range -50 to 130 C



FLUORCARBON - VITON

An Elastomers based on fluorine rubber. It is used for u-cup seals, lip seals, vee packing, wipers and special seals. Its outstanding properties are its high resistance to heat, chemicals, weathering and ozone; resists mineral oils and greases containing sulfur and highly inflammable HFD fluids. Durometer 85 +/- 5 Shore A, Temperature range -20 to 200 C

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"PLASTOMERS"

MDX NYLON GRAY

Used for anti extrusion rings, guide ring bushes, scrapers and other high precision rotating parts. It has very good mechanical properties, low water absorption and good chemical resistance.

We also have available:

NYLOIL (BLACK)
NATURAL NYLON
UHMW
HYTREL4506

Low modulus extrusion grade Elastomers contains color-stable antioxidants. Excellent low temperature properties. Excellent flex-fatigue resistance. Excellent creep resistance. Durometer 40 Shore D



HYTREL 555HS

Heat stabilized grade of Hytrel contains a discoloring antioxidant. It combines the best balance of properties of the product line. Durometer 55 Shore D



PTFE VIRGIN TEFLON

It is polytetrafluoroethylene, which is used for backing rings, vee packing, o-rings, rotary seals and gaskets. PTFE Virgin is a material with the widest technical range of applications. Only molten alkali metals and gaseous fluorine will attack PTFE at high temperatures and pressure. Creeping is observed at relatively low loads. Temperature range -200 to 260 C



PTFE NICKEL TEFLON

It is polytetrafluoroethylene, which is used for backing rings, vee packing, o-rings, rotary seals and gaskets. PTFE Virgin is a material with the widest technical range of applications. Only molten alkali metals and gaseous fluorine will attack PTFE at high temperatures and pressure. Creeping is observed at relatively low loads. Temperature range -200 to 260 C

We also have available the following blends of Teflon

10% CARBON 10% GLASS
10% EKONAL

40% GLASS GREEN
5% GLASS 5%

MOLY
10% GRAPHITE
15% CARBON
15% GLASS

5% MOLY ONLY
50% STAINLESS
55% BRONZE 5%

MOLY
15% GLASS 5% MOLY
VIRGIN GREEN
35% GLASS PINK

60% BRONZE
VIRGIN BLACK
TFM

